



QUALITY CERTIFICATE

file

SPRAGUE ANALYSIS

SHORE TANK NO. 1

Port Date

Terminal

SEARSPORT, MAINE

August 6, 2003 SPRAGUE Report 5

SP/03/0804

reference

Sample # 287478

Name of material being tested Description of sample source Samples Drawn by (company) Samples Tested by (company)

Customer

Operation

NO. 6 FUEL OIL 1.50%

EX. SHORE TANK NO. 1 AFTER DISCHARGE OF PINDAR INSPECTORATE INSPECTORATE

Tests being Performed	Test method	Minimum	Maximum	Sample Source
GRAVITY, API @ 60 F	ASTM D 4052			11.1
FLASH POINT, F	ASTM D 93			200+
VISCOSITY, SSF @ 122 F	ASTM D 445/2161			251
POUR POINT, F	ASTM D 97			+33.8
				0,10
WATER & SEDIMENT, % VOL.	ASTM D 1796			
I-ULPHUR, % WT.	ASTM D 4294			1.462
H, % WT.	ASTM D 482			0.049
VANADIUM, PPM	AA/AE			102
SODIUM, PPM	AA/AE			12
BTU'S/POUND	CALCULATION			18,357
BTU'S/GALLON	CONVERSION			151,702
NITROGEN, % WT.	ASTM D 3228			0.519
CARBON RESIDUE, % WT.	ASTM D 4530			14.47
ASPHALTENES, % WT.	IP-143			7.39
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La Maria				
				
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DENNIS E. CURTIS

Inspectorate America Corp (Searsport, Me.)